

STEREO MOC Status Report
Time Period: 2007:015 - 2007:021

STEREO Ahead (STA) Status:

1. No significant Ground System anomalies occurred during this reporting period, but the following minor anomalies were reported:

- On day 015 the time tag commands loaded for the track were off by 15 minutes. This problem was ultimately identified as a Scheduler software issue where the track plan times were updated to reflect the updated DSN track times but the event Start_Time arguments did not get updated. The time offsets were adjusted in real-time and this problem did not affect any track objectives.
- On day 017 there was a power problem with station DSS-26 which resulted in a 5 minute telemetry outage mid-track at 1726Z.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 015 Autonomy Rule Macro 70 was tested and verified to only execute once when promoting the Star Tracker to AAD mode.
- On day 018 a momentum dump was executed on the A thruster set. The momentum dump completed as expected.
- Spacecraft A was promoted to Operational Mode on day 018.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 017 the station DSS-14 transmitter was down for the duration of the track. Also during this track, DSS-14 was having problems with antenna tracking which resulted in three telemetry outages totaling approximately 10 minutes during the SSR playback.

- On day 019 there was a 13 minute late acquisition of telemetry from DSS-25 due to a receiver problem. Once acquisition of telemetry occurred, the recorder playback was re-started from the beginning.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 016 the IMPACT SIT, SEPT-E, and SEPT-NS covers were deployed. All indications are that the doors opened as planned.
- On day 021 the second Lunar Swingby occurred at 0903Z.